

APPENDIX V - EVENT PROCESSOR

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```
5  public class EventProcessor
{
    // The singleton event database.
    private static EventProcessor el = null;

10   // Get the event handler
    private static SysHandlerRegistrar ehr =
        SysHandlerRegistrar.getInstance();
    private static IEventHandler seh = null;

15   private EventProcessor()
    {
    }

20   public static EventProcessor getInstance()
    {
        if(el == null)
            el = new EventProcessor();

        return el;
    }

25   public static IMessageEvent log(IMessageEvent meIn)
    {
        IMessageEvent me = meIn;
        if(me instanceof ErrorEvent) {
            if((seh = ehr.getEventHandler(SysHandlerRegistrar.ERROR_INFO_EVENT_HANDLER)) != null)
                me = seh.receiveEvent(meIn);
            else
                System.out.println(me.getDate());
        }
        else if(me instanceof RebootEvent) {
            if((seh = ehr.getEventHandler(SysHandlerRegistrar.REBOOT_EVENT_HANDLER)) != null)
                me = seh.receiveEvent(meIn);
            else
                System.out.println(me.getDate());
        }
        else {
            if((seh = ehr.getEventHandler(
                SysHandlerRegistrar.RESOURCE_DEPLETION_EVENT_HANDLER)) != null)
                me = seh.receiveEvent(meIn);
            else
                System.out.println(me.getDate());
        }
    }

30   return me;
}

40

45

50 }
```